OIPE JC139
APR 2 8 2004
PATENT & TRADEMARK OFFICE

Docket No. 5346

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the patent application of Barenkamp

Serial No. **10/681171**

Filing date: October 9, 2003

Title: High Molecular Weight Surface Proteins of Non-typeable Haemophilus

Group Art Unit

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Please consider the documents listed on the accompanying form PTO-1449 during examination of this application. Copies of the documents can be found in the parent application serial number 10/092880.

This statement is made before the mailing date of a first office action.

Charles Fallow

Charles W. Fallow
Reg. No. 28,946

Shoemaker and Mattare, Ltd.
10 Post Office Road, Suite 100
Silver Spring, Maryland 20910
(301) 589-8900

April 26, 2004

OIPE JC139 APR 2 8 2004 PATENT & TRADEMARK OFFICE

substitute form PTO-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number	10/681171
Filing Date	October 9, 2003
First Named Inventor	Barenkamp
Group Art Unit	
Examiner Name	
Attorney Docket Number	5346

U.S. PATENT DOCUMENTS					
Init.		Number	Patentee	Publ'n Date	Relevant Portion
	A	5869065	Barenkamp	Feb. 1999	
	B	5876733	Barenkamp	Mar. 1999	
	C	5549897	Barenkamp	Aug. 1996	
	D				
	E				
	F				
	G				
	H				

FOREIGN PATENT DOCUMENTS						
	I	WO	93/19090		Sept.30,1998	
	J	WO	94/21290		Sept.29,1994	
	K					
	L					
	M					
	N					
	O					
	P					
	Q					

Examiner Signature		Date Considered	

substitute form PTO-1449

Application Number	10/681171
Filing Date	October 9, 2003
First Named Inventor	Barenkamp
Group Art Unit	
Examiner Name	
Attorney Docket Number	5346

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OTHER DOCUMENTS		
Init.		Description
		Pediatric Infection Disease Journal, Vol. 9, No. 5, issued May 1990, S.J. Barenkamp et al., "Development of Serum Bactericidal Activity Following Nontypable *Haemophilus influenzae* Acute Otitis Media", pgs. 333-339, see entire document
		Journal of clinical Microbiology, Vol. 29, No. 11, issued November 1991, A.C. Caputa et al., "110 Kilodalton Recombinant Protein which is Immunoreactive with Sera from Humans, Dogs, and Horses with Lyme Borreliosis", pgs. 2418-2423, see entire documents.
		Joint Meeting of the American Pediatric Society for Pediatric Research, 07-10 May 1990, S.J. Barenkamp, "Cloning and Expression of Genes for Nontypable Haemophilus influenzae (NTHI) High Molecular Weight (HMW) Outer Membrane Proteins which are Targets of Bactericidal Antibody", Abstract 983, Pediatric Research, Vol. 27, (4 part 2).
		The Journal of Infectious Diseases, Vol. 165 (Suppl.) Issued August 1992, S.J. Barenkamp, "Outer Membrane Protein and Lipopolysaccharides of Nontypeable Haemophilus influenzae", pgs. S181-S184, see entire document.
		Infection and Immunity, Vol. 60(4), issued April 1992, S.J. Barenkamp et al, "Cloning, Expression and DNA Sequence Analysis of Genes Encoding Nontypable Haemophilus influenzae High-Molecular-Weight Surface-Exposed Proteins Related to Filamentous Hemagglutinin of Bordetella pertussis pgs. 1302-1313, see entire document.
		Infection and Immunity, Vol. 56(I), issued January 1988, E.J. Hansen, "Immune Enhancement of Pulmonary Clearance on Nontypable Haemophilus influenzae, pgs. 182-190, see entire document, especially Figs. 3 and 4.
		Infection and Immunity, Vol. 52(2), issued May 1986, S. J. Barenkamp, "Protection by Serum Antibodies in Experimental Nontypable Haemophilus influenzae Otitis Media", pgs. 572-578, see Figs. 1 and 2.
		Proceedings of the National Academy of Sciences USA, Vol. 80, issued March 1983, R.A. Young et al. "Efficient Isolation of Genes by Using Antibody Probes", pgs. 1194-1198, see entire document.
		Infection and Immunity, Vol. 45(3), issued September 1984, R. Schneerson et al, "Serum Antibody Responses of Juvenile and Infant Rhesus Monkeys Injected with Haemophilus influenzae Type b and Pneumococcus Type 6A Capsular Polysaccharide-Protein Conjugates", pgs. 582-591, see entire document.

OTHER DOCUMENTS		
		Journal of Molecular Biology, Vol. 157 issued 1982, J. Kyte et al, "A Simple Method for Displaying the Hydropathic Character of Protein", pgs. 105-132, see entire document.
		Proceedings of the National Academy of Sciences, Vol. 78(6), issued June 1981, T.P. Hopp et al, "Prediction of Protein Antigenic Determinants from Amino Acid Sequences", pgs. 3824-3828, see entire document.
		Pediatr. Infect. Dis. J., 9: 333-339, 1990, Stephen J. Barenkamp and Frank F. Bodor, "Development of Serum Bacterial Activity Following Nontypable Haemophilus influenzae Acute Otitis Media"
		Green et al, Infection and Immunity 61:1950-1957, 1993
		Erwin et al, Can. Journ. Of Microbioligy 34:, 723-729, 1988
		Thomas et al, Infection and Immunity, 58: 1909-1913, 1990
		Barenkamp, Pediatric Research Vol. 29, 167A, Abstract 985, 1991
		Barenkamp, Abstract 983, Pediatric Research Vol. 27
		Houghten et al, Vaccine 86, pgs. 21 to 25
		Gulig et al, Dissertation Abstract Internat, 1985, Vol. 46/08 B. page 2613
		Barenkamp et al, Pediatric Research 31:179A, 1992
		Kimura et al, Infection and Immunity 27:253-9, 1985
		Barenkamp et al, Abstracts of the Fifth International Symposium Adavances in Otitis Media Abstract 133, page 119, 1999
		Green et al, Abstract, Infect Immun 1991 Sept; 59(9) 3191-8
		Spinola et al, Abstract, Infect Immun 1992 Feb; 60(2) 385-91